

Primary lithium battery system

BA 5360

9 V Primary lithium manganese dioxide (Li-MnO₂) battery

The battery consists of 3 LM 33550 cells connected in series

Key Features

- A non-replaceable fuse is incorporated in the battery
- A normally closed thermal fuse (TCO) is incorporated in the battery. It is non-replaceable and non-resettable
- A blocking diode is incorporated in the battery to prevent charging
- A non-replaceable fuse is connected between two of the cells for added safety
- A complete discharge device (CDD) with LED activation indicator is built into the battery. The CDD consists of a manually activated switch to connect a resistor for discharging to 0V.
- Made in the USA

Typical applications

- AN/PSC-2 Communications Terminal
- AN/MLQ36 Mobile Support System
- MU/848/PSC-2



Electrical characteristics

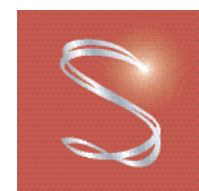
Typical OCV	9 V
Nominal voltage (at 500 mA)	8 V
Cut-off voltage (V)	6 V
Typical capacity at 21°C/70°F (at 250mA discharge current)	13 Ah
Operating temperature	-40°C to 71°C/-40°F to +160°F
Storage temperature	
Recommended max	35°C/95°F
Possible	-40°C to 71°C/-40°F to +160°F

Physical characteristics

	Metric	Imperial
Maximum weight	540 g	1.2 lb
Weight of Li metal content	11.1 g	0.4 oz
Max OD	39.62 mm	1.56 in
Max length	186.31 mm	7.335 in
Battery case	plastic	

References

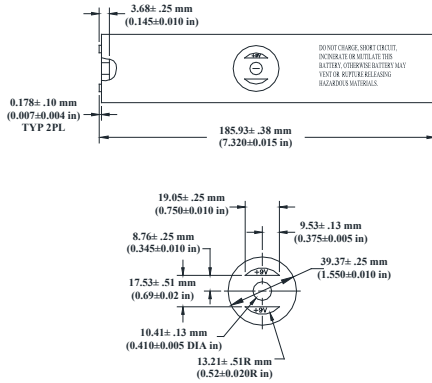
Reference specifications	MIL PRF 32271 Saft Standard Specification
Nato stock number	6135-01-517-4955



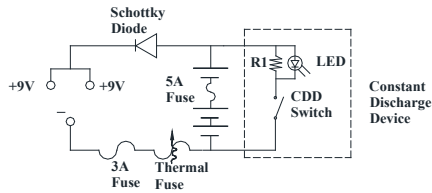
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BA 5360

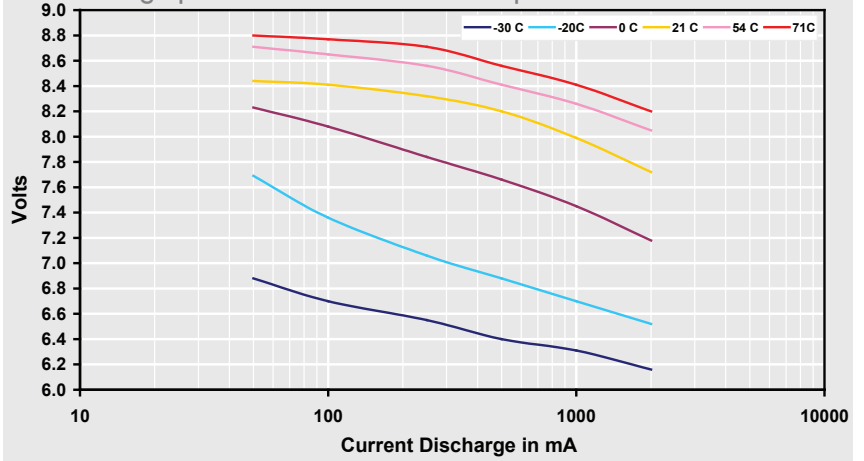
BA 5360 dimensions



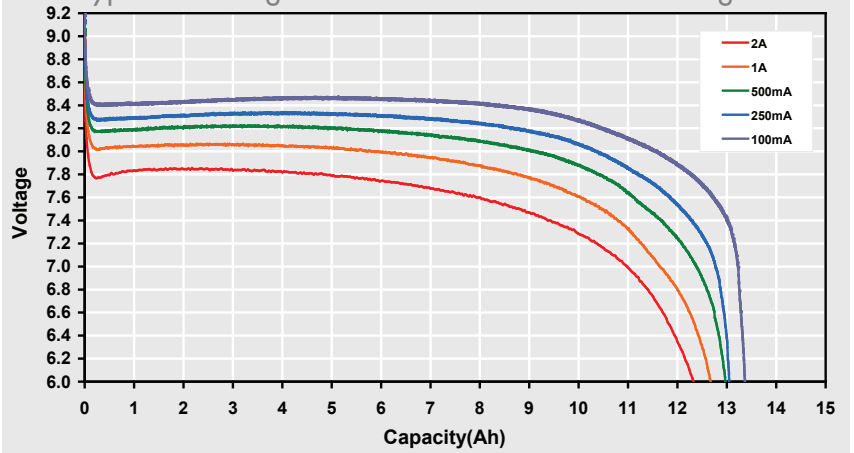
Electrical schematic



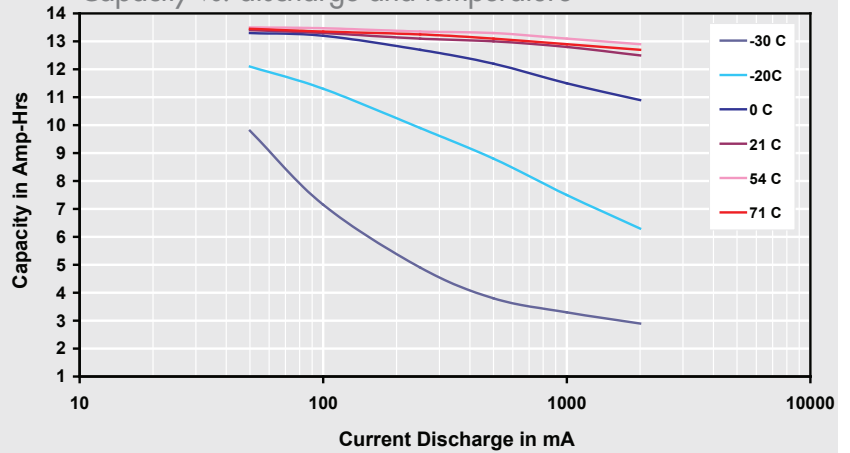
Voltage plateau vs. current and temperature



Typical discharge curves at 21°C at various discharge currents



Capacity vs. discharge and temperature



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